

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference MSP640	FOR FURTHER ACTION <div style="float: right; font-size: small;">see Form PCT/ISA/220 as well as, where applicable, item 5 below.</div>	
International application No. PCT/EP2004/011611	International filing date (<i>day/month/year</i>) 08/10/2004	(Earliest) Priority Date (<i>day/month/year</i>) 15/10/2003
Applicant DOW CORNING IRELAND LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011611

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J19/08 B01J8/18 B01J8/42 C01B33/18 C01B33/16
C08G77/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C01B C08G H05H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 569 397 B1 (YADAV TAPESH ET AL) 27 May 2003 (2003-05-27) abstract; figures; examples column 1, line 56 column 3, line 40 - line 48 column 4, line 29 - line 37 column 4, line 49 - line 55 column 5, line 64 - line 67 column 6, line 2 - line 19 column 6, line 58 - line 64 column 7, line 1 - line 3	1-5, 7, 17, 21, 22
X	----- -/--	23-27

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

23 February 2005

Date of mailing of the international search report

02/03/2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011611

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97/29156 A (E.I. DU PONT DE NEMOURS AND COMPANY; BELL, TIMOTHY, ALLAN; BEST, WRONA) 14 August 1997 (1997-08-14) abstract; figures page 2, line 13 - line 17 page 9, line 25 - page 10, line 14 page 14, line 22 - line 28 page 15, line 24 - line 31 page 24, line 30 - page 26, line 23	1-5,7, 17,21,22
P,A	WO 03/086029 A1 (DOW CORNING IRELAND LIMITED; DOW CORNING CORPORATION; GOODWIN, ANDREW,) 16 October 2003 (2003-10-16) cited in the application abstract; figures; examples page 14, paragraph 51	1,20
P,X	-----	16-19,25
A	KARTHIKEYAN J ET AL: "Plasma spray synthesis of nanomaterial powders and deposits" MATERIALS SCIENCE AND ENGINEERING A: STRUCTURAL MATERIALS: PROPERTIES, MICROSTRUCTURE & PROCESSING, LAUSANNE, CH, vol. A238, no. 2, 1997, pages 275-286, XP002250516 ISSN: 0921-5093 the whole document	1,16,20, 25
A	----- US 6 252 015 B1 (VINCENZI PAOLO ET AL) 26 June 2001 (2001-06-26) the whole document -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011611

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6569397	B1	27-05-2003	WO 02055240 A1	18-07-2002
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